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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/637,624	08/11/2003	Yoshimi Uda	03500.016023.1	2087	
5514 75	5514 7590 06/29/2005			EXAMINER	
FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			SANTIAGO,	SANTIAGO, MARICELI	
			ART UNIT	PAPER NUMBER	
,			2879		
			DATE MAILED: 06/29/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
Office Action Commence	10/637,624	UDA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mariceli Santiago	2879				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	16(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C.S 133).				
Status						
1)⊠ Responsive to communication(s) filed on 31 Ma	arch 2005					
<i>'</i>	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex-parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 17-19,21,24 and 25 is/are pending in the day of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 17-19,21,24 and 25 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	n from consideration.					
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 11 August 2003 is/are: Applicant may not request that any objection to the consequence of the consequenc	a) \square accepted or b) \square objected through accepted in abeyance. See on is required if the drawing(s) is objection.	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Application ty documents have been receive (PCT Rule 17.2(a)).	on No. <u>10/637,624</u> . d in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)						
Paper No(s)/Mail Date 3/05.						

DETAILED ACTION

Response to Amendment

The Amendment, filed on March 31, 2005, has been entered and acknowledged by the Examiner.

Cancellation of claims 1-16, 20, 22 and 23 has been entered.

Claims 17-19, 21, 24 and 25 are pending in the instant application.

The indicated allowability of claims 17-19, 21, 24 and 25 is withdrawn in view of the newly discovered reference(s) to Oota (JP 60-146225). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 17-19, 21 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Oota (JP 60-146225).

Regarding claim 17, Oota discloses a substrate having a fine line, wherein the fine line comprises an end portion, a portion other than the end portion and a recess¹ at the end portion, the portion other than the end portion having a width narrower than a width of the end portion (Fig. 2).

Regarding claim 18, Oota discloses a substrate wherein the fine line is obtained by heating a material which is provided on the substrate (see Abstract).

¹ A small hollow or an indented area

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Regarding claim 19, Oota discloses a substrate wherein a distance from a surface of the substrate on which the fine line is formed to a bottom of the recess is 15 μ m or less (Zero is inclusive, the recess is a hollow).

Regarding claim 21, Oota discloses an apparatus comprising a substrate, the substrate having a device and a wiring for the device, wherein the wiring comprises an end portion, a portion other than the end portion and a recess at the end portion, the portion other than the end portion having a width narrower than a width of the end portion (Fig. 2).

Regarding claim 25, Oota discloses an image display apparatus comprising a plurality of devices, wherein the wiring connects the plurality of devices as a part of the matrix wirings (Fig. 1).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Oota (JP 60-146225).

Regarding claim 24, Oota discloses a substrate for an electro-optical device a fine line as claimed in order to prevent peeling and the internal stresses common in the terminal portion of the fine line. Oota fails to exemplify an image display apparatus wherein the device comprises an electron-emitting device. However, one skilled in the art would reasonable contemplate the usage of the substrate with the fine line assembly as claimed by Oota in devices having the general substrate, wiring and terminal arrangement, such as FED's, OLED's,

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LCD's, etc., since the effect of peeling of the wiring and the internal stresses are common to all

these devices. Thus, it would have been obvious at the time the invention was made to a person

having ordinary skills in the art to incorporate the substrate and fine line assembly disclosed by

Oota in an image display apparatus wherein the device comprises an electron-emitting device in

order to prevent peeling and the internal stresses common in the terminal portion of the fine line.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The

examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about PAIR system,

see http://pair-direct.uspto.gov. Should you have questions on access to Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mariceli Santiagó

Primary Examiner

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